Cake and meal, quantity and value of ex-

ports, by countries, 547, 548. Calf and kip skins. See Hides and skins. California, beet sugar industry, 446, 447, 452; circulation of daily newspapers, 742. See also States and territories.

Camel, alpaca, and vicuña hair and noils. See

Materials used, wool.

Can ice. See Ice, manufactured. cotton consumption, compared with other countries, 11; number of cotton spindles, 12; exports to, of rice and rice products, 436; ice, 501; unmanufactured woods, 622; newspapers and periodicals, by states, 736; imports from, of rice and rice products, 437; logs and round timber, 623; boards, planks, and deals, 623; turpentine, 654; rosin, 655.

Canaigre, use in tanning, 273.

Cane sugar, commercial production, 451. Canning and preserving, fruits and vegetables, fish, and oysters, comparative summary, 391; summary for United States, 392; exports, 393; imports, 393. See also Fruits and vegetables, Fish, and Oysters.

Capital, summary of amount of, invested in combined textiles, by industries, 4, 5; not including flax, hemp, and jute products, 13; cotton manufactures, 26, 28; lace and lace curtain manufactures, 35; upholstery, face curtain manufactures, 35; upholstery, 36; cotton goods, 47; cotton small wares, 55, 56; hosiery and knit goods, 62, 63, 68, 74; wool manufactures, 87, 89, 120, 128; worsted goods, 111, 136; woolen goods, 112, 138; carpets and rugs, other than rag, 112, 146; felt goods, 114, 148; wool hats, 114, 150; felt hats, 114, 152; shoddy, 116, 117, 154; wool scouring, 118, 156; wool pulling, 118, 157; silk manufactures, 161, 173, 175. 118, 157; silk manufactures, 161, 173, 175 181; flax, hemp, and jute products, 187, 188; jute and jute goods, 190; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 198, 200; buttons, 207, 210; needles, pins, and hooks and eyes, 215, 217; oilcloth and linoleum, 221, 222, 225; boots and shoes, 229, 230, 233, 236, 246; leather, tanned, curried, and finished, 246; leather, tanned, curried, and finished, 257, 260, 267, 278; leather gloves and mittens, 293, 296, 297, 298; butter, cheese, and condensed milk, 305, 307, 316; butter, 324; cheese, 332; condensed milk, 336; flour and grist mills, 343, 344, 345, 346, 356, 368; starch, 383, 387; canning and preserving, fruits and vegetables, fish, and oysters, 391, 396; fruits and vegetables, 400, 402, 405, 408; fish, 416, 417, 420; oysters, 422, 423, 425; rice cleaning and polishing, 433, 438, 441; beet sugar, 445, 446, 454; slaughtering and meat packing, 459, 460, 461, 463, 464, 484; slaughtering and meat packing, 464, 484; slaughtering and meat packing, refined lard and sausage, 460; slaughtering and meat packing, wholesale, 472; slaughtering, wholesale, 480; manufactured ice, 495, 498, 500, 504, 508; salt industry, 515, 495, 498, 500, 504, 508; salt industry, 515, 516, 517, 522; cottonseed products, 538; tobacco, 553, 554, 556, 557, 560, 561, 564, 576; lumber and timber products, 624; timber lands, 640; turpentine and rosin, 649, 650, 651, 656, 657; paper and wood pulp, 661, 664, 666, 686; printing and publishing, 702, 703, 707, 708, 753; book and job printing, 713, 714, 715, 716, 760, 766, 800; newspapers and periodicals, 720, 724, 770, 812; pens and pencils, 827; class 766, 800; newspapers and periodicals, 720, 724, 770, 812; pens and pencils, 827; glass manufactures, 837, 860; clay products, 877; brick and tile, 898; pottery, terra cotta, and fire clay products, 910.

Card and bristol boards, production of, by quantity and value, 669. See also Paper and wood pulp.

Cardigan jackets, sweaters, etc., quantity

Cardigan jackets, sweaters, etc., quantity and value, 66, 82.

Carding mills, number, 91.

Cards, number employed, in manufacture of hosiery and knit goods, 64, 68, 74; in wool manufactures, 91, 92; classified by width, 92, 93.

Carpet wool, imported, sources of, 101; quantity and value, 103.

Carpets and rugs, other than rag, raw fibers and yarns used in manufacture of, 8; number of square yards produced, 9; effect of Russo-Japanese war on industry, 85; rank of leading states according to value of product, 87, 104; total horsepower, 90; horsepower per wage-earner, 90; number of spindles, 94; materials used, by kind, quantity, and cost, 95, 98, 99, 113; statistics, of establishments, manufactures statistics of establishments manufacturing, summary, 112, 128, 146; classification of looms, 113.

Carpets produced, kind, quantity, and value, 108, 109. See also Carpets and rugs. Carré, Ferdinand, system of manufacturing

ice, invented by, 502.
Casein, uses of, 312. See also Butter, cheese, and condensed milk.

Cash and sundries, capital of cotton mills, 47. Cedar, average value per thousand feet, 598; quantity and value sawed, 607; shingle production, 611; quantity of standing, 641.

production, 311; quantity of standing, 421. Central America, exports to, of rice and rice products, 436; unmanufactured woods, 622; turpentine, 654; rosin, 655; imports from, of rice and rice products, 437. Champlain, N. Y., exports of rice, 438; turpentine and rosin, 653.

Charleston, S. C., exports of rice, 438; tur-

pentine and rosin, 653. Charlestown, Mass. See Boston and Charles-

town

Chatard, Dr. Thomas M., operations of salt grainers in Pomeroy, Ohio, described by, 530.

quantity and value, by leading states, 309; number of factories, 310; imports and exports, 311; average number of wage-earners employed in factories, 314; statistics of establishments manufacturing, summary, 332. See also Butter, cheese, and condensed milk.

Chemicals and dyestuffs, quantity and cost in manufacture of cotton goods, 53; cotton small wares, 58; wool manufactures,

99; in textile establishments, 196. Cherries, canned and preserved, quantity and value, 410.

Chestnut, average value per thousand feet, 598; quantity and value sawed, by states,

Chewing tobacco. See Tobacco, chewing and smoking, and snuff.

Chicago, Ill., concentration of printing and publishing industry, 712; circulation of monthly publications, 750.

Children under 16 years. See Wage-earners

and wages.

Chile, imports from, of wool, 101, 102; rice and rice products, 437; exports to, of rice and rice products, 436; cottonseed products, 547; turpentine, 654; rosin, 655.

China, cotton production and consumption, 120, officet of cotton spindles, 120, officet

12; number of cotton spindles, 12; effect of Boxer rising on cotton manufacture, 20; exports to, of cotton cloth, 25; cottonseed products, 548; turpentine, 654; rosin, 655; imports from, of wool, 101, 102; rice and rice products, 437; raw silk production, 178, 179, importance of initial control of the 178, 179; importance of rice industry,

China, Russian, exports to, of rice and rice products, 436. See also China.

Chinaware, average cost per ton of clay pur-chased for, by states, 883. See also Clay products.

Chinese Empire. See China,

Chrome tannage, description of process, 274. Cigarettes. See Cigars and cigarettes, and Tobacco.

Cigars and cigarettes, statistics of establishments manufacturing, summary, 554, 556, 557, 564; cost of materials used, 559; value of products, 559; number withdrawn for consumption, by years, 560; classified for internal revenue taxation, 560.

Circulation of newspapers and periodicals, summary, 730, 733, 814; growth, 732; in summary, 750, 753, 314; growth, 732; inforcign countries, 736; average and aggregate, by states, according to period of issue, 786; according to character of publications, 798. See also Newspapers and

periodicals.

Cities, specified, statistics concerning, in boot and shoe industry, 239, 240; leather, tanned, curried, and finished, 269; flour and grist mills, 349; slaughtering and meat packing, 464; ice manufacture, 500; book and job printing, 717, 766; daily newspapers, 743; circulation of monthly publications, 750.

Clay products, statistics of establishments manufacturing, summary, 877, 878, 881; rank of states, by value of, 880; cost of materials used, 881; products, 881, 884; value of exports, 885; of imports, 885. See also Brick and tile, and Pottery, terra cotta, and fire clay products.

Clothing, ready-made, value of imports, 22, 103; of exports, 23.

Cloths, quantity and value of imports, 22; of exports, 23, 24, 25. Cocoons and noils. See Waste silk, cocoons,

and noils.

Codfish, quantity and value salted, 419. Cold air system, description of, used in manufacture of ice, 502.

Colombia, imports from, of wool, 102; exports to, of rice and rice products, 436; cottonseed products, 547; turpentine, 654; rosin, 655.

Colorado, rank in beet sugar industry, 447, 453. See also States and territories. Colt skins. See Hides and skins.

Combined textiles, sketch of industry, 3; statistics of establishments manufacture ing, summary, 4; number of establishments, 5; capital employed, 5; wage-earners and wages, 6; materials used, 7; products, 8; consumption of domestic and foreign goods, 9; rank of United States in textiles, 10; of foreign countries, 11; by cotton consumption, 11, 12; by wool, 12; by silk, 13. See also specified industries.

Combing machines, number employed, in manufacture of hosiery and knit goods, 64, 68, 74; in wool manufacture, 91, 93, 120; in worsted mills, 111.

Compositors, hand, number of, in book and job printing, 761; newspapers and periodicals, 770.

Compressor system, in ice manufacture, 496,

Condensed milk, quantity and value of products, by states, 309; number of factories, 310; average number of wage-earners, 314; summary, 336. See also Butter, cheese, and condensed milk. Connecticut. See States and territories.

Cooperage materials, kind, quantity, and value, manufactured in principal states,

Cordage and twine, summary of establish-

ments manufacturing, 190. Corduroy, cotton velvet, and plush, quantity and value, manufactured in cotton mills, 34, 53.

Corn, canned, quantity and value, by states, 406, 410.

Corn products, summary of establishments manufacturing, 352.

Cornstarch, quantity and value, manufactured in starch factories, 384, 385.

Corpus Christi, Tex., exports of rice, 438; turpentine and rosin, 653.

Costa Rica, exports to, of cottonseed products, 547

Cotton, total amount consumed, by decades, 7; in each industry, 8; in foreign countries, 11; in southern mills, 28; cotton mills, 31, 32; per spindle, 42; mills manufacturing cotton small wares, 55; hosiery and knit goods, 82; in wool manufactures, 98, 99.

Cotton goods, statistics of establishments manufacturing, summary, 4, 26, 47; of materials and products, 52; average number of wage-earners, 6, 7; quantity of raw fibers and yarns consumed in manufacturing, 8; number of square yards produced, 9; fluctuations in manufacture, 19; foreign trade in, 21, 25; quantity and value of imports, 22; of exports, 23; English trade in, 25; general progress of industry, 26; geographic control of the distribution, 27; capital employed, 28; employees and wages, 28; miscellaneous expenses, 30; materials used, 31, 32; prodesses, 30; mat ucts, 34; dyeing and finishing, 36, 37; fineness of goods, 37; power, 39; machinery, 39; number of spindles, 40, 41; consumption of cotton per spindle, 43; number of spindles to each wage-earner, 42; labor cost per spindle, 43; looms, 44; classification of

spindie, 45, nooms, 42; Crassingation or mills according to machinery, 46.
Cotton manufactures, capital invested in, 5; value of products, 9; cost of materials, 9; value of exports, 10; of imports, 10; silk yarn used, 166; cost of chemicals and dyesterffe 106; dyning and finishing 200. stuffs, 196; dyeing and finishing, 200. See also Cotton goods and Cotton small wares.

Cotton mills, spindles used in, by number, 40; by kind, 41; machinery used, 45. Cotton piece goods, amount dyed and bleached, 195.

Cotton, sewing, quantity and value, manufactured, 34.

Cotton small wares, statistics of establishments manufacturing, summary, 4, 55, 56, 57; of materials and products, 58; wageearners and wages, 6, 7, 55; quantity of raw fibers and yarns consumed, 8; of raw cotton, 32; number of spindles in factories producing, 40, 55; materials used, 55. Cotton yarn, used in cotton goods establish-

ments, by quantity and cost, 33, 52; in lace and lace curtain manufactures, 35; in upholstery, 36; in cotton small wares, 58; in hosiery and knit goods, 65, 66, 69, 82; in wool manufactures, 95, 99, 105; in silk manufactures, 167; amount dyed and bleached, 37, 195.

Cottonades, quantity and value, manufactured in cotton mills, 34, 53.
Cottonseed products, early history of industry, 537; statistics of establishments manufacturing authors of \$28, 542; cost, quantity of the cost of the c facturing, summary, 538, 542; cost, quantity, and value of, per ton of seed crushed, 544, 546; quantity and value of exports by countries, 547, 548; description and uses,

Cottonwood, average value per thousand feet, 598; quantity and value sawed, by states, 608.

Cream. See Milk. Cullen, Dr. William, system of manufactur-

ing ice invented by, 502. Currying and finishing materials, used in establishments manufacturing leather, by

kind, quantity, and cost, 258.

Custom mills. See Flour and grist mills.

Customs districts, quantity and value of exports from, of rice, 438; turpentine and resin 653. and rosin, 653.

Cuyahoga, Ohio, exports of turpentine and rosin, 653.

Cypress, average value per thousand feet, 598; quantity and value, sawed, by states, 607; shingle production, 611; quantity of standing, 641; location, 643.

Danish West Indies, imports from, of wool,

Deals. See Boards, planks, deals, etc. Delaware, growth of silk industry, 180. also States and territories.

Denmark, imports from, of wool, 101; of rice, 437; exports to, of rice and rice products, 436; cottonseed products, 547.

Detroit, Mich., exports of rice, 438; turpentine and rosin, 653.

Dingley tariff, effect on lumber and timber products, 623.
District of Columbia. See States and terri-

tories.

Dominion of Canada. See Canada.

Douglas fir, average value per thousand feet, 598; quantity and value sawed, 607; quantity of standing, 641; location, 643. Draintile, description of manufacture, 895.

Drills, quantity and value manufactured in cotton establishments, 34, 53.

Duck, quantity and value manufactured in cotton establishments, 34, 53.

Durand, Peter, tin cans patented by, 427. Dutch West Indies, imports of wool from, 101.

Dyeing and coloring, of hides and skins, 277. Dyeing and finishing, in cotton mills, 36, 37. Dyeing and finishing textiles, statistics of establishments engaged in, summary, 4, 196, 198, 200; amount of capital, 5; average number of wage-earners and wages, 6, 7; value of products, 9; relation of cost of materials to value of products, 9; why included in textile manufactures, 195; cost of materials used, 196.

Dyestuffs. See Chemicals and dyestuffs.

Earthenware, pottery classified as, 927; varieties produced, 927; history of ceramic art in United States, 928. See also Pot-

tery. East Indies, cotton consumption in, 11; exports to, of rice and rice products, 436; cottonseed and its products, 548; turpentine, 654; rosin, 655; imports from, of rice and rice products, 437.

Ecuador, imports of wool from, 101; exports to, of rice and rice products, 436; cotton-seed products, 547; turpentine, 654.

Egypt, average consumption of raw silk, 13; quantity and cost of cotton imported from,

Eider down manufactured in hosiery and knit goods industry, quantity and value,

Elkin, Zach C., section on Beet sugar by, 445.

Ellsworth, Emmons K., section on Canning

and preserving by, 391.

Elm, average value per thousand feet, 598; quantity and value sawed, by states, 608.

Employees, number of, in cotton manufacturing establishments, 28; in woolen manufacturing. 80: in boot and chair latering. facturing, 89; in boot and shoe industry, 230. See also Wage-earners and wages.

England, average consumption of raw silk 13; system employed in cotton trade, 25; quantity of wool imported from, 101, 102. Establishments, number of, manufacturing combined textiles, 4; increase, 5; combined textiles, not including flax, hemp, bined textiles, not including flax, nemp, and jute products, 13; cotton manufactures, 26; cotton goods, 27; lace and lace curtains, 35; upholstery, 36; cotton small wares, 55, 56; hosiery and knit goods, 62, 68, 74; worsted goods, 111, 136; woolen goods, 112, 138; carpets and rugs, 112, 146; felt goods, 114, 148; wool hats, 114, 150; felt hats, 114, 152; shoddy, 116, 117, 154;

engaged in wool scouring, 118, 156; wool pulling, 118, 157; wool manufactures, 120, 128; silk and silk goods, 161, 166, 171, 173, 167 128; SIK and SIK GOODS, 101, 106, 171, 173, 181; flax, hemp, and jute products, 187, 188, 190; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 198, 200; buttons, 206, 210; needles, pins, and hooks and eyes, 215, 216, 217; oilcloth and linoleum, 221, 222, 225; bootsand shoes, 229, 230, 233, 246; leather, tanned, curried, and finished, 257, 260, 278; curried, and finished, 257, 260, 278, leather gloves and mittens, 293, 296, 297, 298; butter, cheese, and condensed milk, 305, 307, 316; butter, 324; cheese, 332; condensed milk, 336; flour and grist mill products, 343, 344, 345, 346, 356, 368; starch, 383, 384, 387; engaged in canning and preserving, fruits and vegetables, fish, and oysters, 391, 396; fruits and vegetables, 400, 402, 405, 408; fish, 416, 417, 420; oysters, 422, 423, 425; rice cleaning and polishing, 433, 438, 441; beet sugar industry, 445, 446, 454; slaughtering and meat packing, 459, 460, 461, 463, 464, 472; slaughtering, 480, 484; manufacturing ice, 495, 499, 500, 504; salt, 515, 516, 522; cottonseed products, 538, 542, 546; tobacco, 553, 554, 556, 557, 560, 561, 564, 576; lumber and timber, 624; turpentine and rosin, 298; butter, cheese, and condensed milk, ber and timber, 624; turpentine and rosin, ber and timber, 624; turpentine and rosin, 649, 650, 651, 656; paper and wood pulp, 661, 664, 686; printing and publishing, 702, 707, 753; book and job printing, 713, 714, 760, 766, 800; newspapers and periodicals, 720, 726, 770, 778, 780, 812; pens and pencils, 827; glass, 837, 860; clay products, 877, 878; brick and tile, 898; pottery, terra cotta, and fire clay products, 910

Europe, consumption of cotton in, 11; number of cotton spindles, 12; raw silk production, 178; imports from, of rice and rice products, 437; exports to, of rice and rice products, 436; turpentine and rosin, 654; introduction of rice into, 439.

Expenses, miscellaneous, in manufacture of, combined textiles, 4; combined textiles, not including flax, hemp, and jute products, 13; cotton goods, 26, 30; lace and lace curtains, 35; cotton small wares, 55, 56; hosiery and knit goods, 62, 69; worsted goods, 111, 137; woolen goods, 112, 142; carpets and rugs, 112, 147; felt goods, 114, 149; wool hats, 114, 150; felt hats, 114, 152; shoddy industry, 116, 154; wool scouring, 118, 156; wool pulling, 118, 157; wool manufactures, 121, 130; silk and silk goods, 161, 182; flax, hemp, and jute products, 187, 188, 190; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 199, 201; manufacturing buttons, 207, 210; needles, pins, and hooks and eyes, 215, 218; oilcloth and linoleum, 221, 222, 225; boots and shoes, 229, 231, 233, 246; leather, tanned, curried, and finished, 257, 258, 260, 278; leather gloves and mittens, 293, 294, 296, 297, 298; butter, cheese, and condensed milk, 305, 307. goods, 161, 182; flax, hemp, and jute prodter, cheese, and condensed milk, 305, 307 316; butter, 324; cheese, 332; condensed milk, 336; flour and grist mill products, 343, 344, 346, 357, 368; starch, 383, 384, 387; canning and preserving, fruits and vegetables, fish, and oysters, 391, 397; fruits and vegetables, 400, 402, 408; fish, 416, 417, 420; oysters, 422, 423, 425; rice cleaning and oysters, 422, 423, 425; rice cleaning and polishing, 433, 438, 441; beet sugar, 445, 446, 454; slaughtering and meat packing, 459, 460, 463, 464, 472, 484; slaughtering, 480; ice, 495, 500, 504, 508; salt, 515, 516, 522; cottonseed products, 541; tobacco, 553, 554, 556, 557, 560, 561, 564, 576; lumber and timber, 631; turpentine and rosin, 649, 650, 651, 656; paper and wood pulp, 661, 664, 686; printing and publishing 661, 664, 686; printing and publishing, 702, 707, 753; book and job printing, 713, 761, 766, 800; newspapers and periodicals,

720, 770, 812; pens and pencils, 827; glass, 837, 860; clay products, 877, 878; brick and tile, 898; pottery, terra cotta, and fire

and tile, 898; pottery, terra cotta, and fire clay products, 910.

Exports to foreign countries, quantity and value, of specified manufactures, 10; of cotton, 23, 24, 31; wool, 96; oilcloth and linoleum, 222; boots and shoes, 241, 242; leather, 270; butter and cheese, 311; flour and grist mill products, 353; starch, 386; canned and preserved, fish, oysters, and fruits and vogetables, 393; rice and rice products, 435, 436; shaughtering and meat packing products, 470; ice, 501; salt, 521; tobacco, 555; forest products, 621; untobacco, 555; forest products, 621; un-manufactured woods, 622; turpentine and rosin, 652, 654; newspapers and periodicals, 736; pens and pencils, 828; glass, 857; clay products, 885.

Fall River, Mass., effect of labor troubles on

cotton industry, 29.
Falmouth, Me. See Portland and Falmouth. Felt goods, statistics for establishments manufacturing, raw fibers consumed, 8; rank of states, 87; horsepower reported, 90; spindles, 94; materials used, by kind, quantity, and cost, 95; scoured wool consumed, 98; yarns, 99; production, by kind, quantity, and value, 110; summary, 114, 128, 148. See also Hats, felt. Felt hats. See Hats, felt.

Fernandina, Fla., exports of turpentine and rosin, 653.

Fire clay, average cost per ton purchased, by states, 883.

Fire clay products. See Pottery, terra cotta, and fire clay products.

Firms, percentage of wool manufacturing establishments owned by, 88.

Fish, canning and preserving, imports and exports, 393; statistics of establishments engaged in, summary, 396, 416, 417, 420; rank of states and territories in industry,

418; history and description, 428. Flax, hemp, and jute products, statistics of establishments manufacturing, summary, 4, 187, 188; capital, 5; average number of wage-earners and wages, 6, 7; value of products, 9; quantity of raw cotton consumed, 32.

Florida, per cent of crushed cottonseed to total production, 543. See also States and

Flour and grist mill products, statistics of establishments manufacturing, summary, 343, 344, 352, 368; rank of states, 345; materials used, by kind, quantity, and cost, 348; value of products, 348; cities reporting, 349; exports and imports, 353; use of roller process, 353.

Frame spindles. See Spindles. France, number of wage-earners in textile industries, 11; number of cotton spindles, 12; estimated amount of wool consumption, 12; raw silk consumption, 13; production, 178, 179; imports from, of wool, 101, 102; rice, 437; exports to, of rice and rice products, 436; cottonseed and its products, 547; unmanufactured woods, 622; per capita consumption of rice, 439.

Freight, total cost in manufacture of cotton goods, 53; of cotton small wares, 58.

French Oceania, exports to, of rice and rice

products, 436.
Fruits, canning and preserving of, imports and exports, 393; statistics of establishments engaged in, summary, 397; kind, quantity, and value of, 410; summary for Fruits and vegetables, 400; history and description of industry, 427

Fuel, cost of, in manufacture of cotton goods, 53; of cotton small wares, 58; silk and silk goods, 164; leather, tanned, curried,

and finished, 258.

Fulgham, H. McK., section on Rice, cleaning and polishing by, 433.
Fulton county, N. Y., effect of labor troubles on leather glove and mitten industry, 293; statistics of industry, 297.

Galveston, Tex., exports of rice, 438; turpentine and rosin, 653.

Gambier, description of, 273. Gannett, Henry, section on Timber Regions of United States by, 639.

Geographic divisions, industries shown by, combined textiles, 13; cotton goods, combined textiles, 13; cotton goods, 27, 29, 31, 45, 52; wool manufactures, 91; slaughtering and meat packing, 461; printing and publishing, 707, 710, 711; book and job printing, 714, 715, 716, 718; newspapers and periodicals, 722, 724, 727, 728, 729, 733, 737, 741, 745, 748.

Georgia, growth of silk industry, 180; statistics of rice industry, 434, 435; per cent of crushed cottonseed to total pro-duction, 543. See also States and terri-

tories.

German Oceania, exports to, of rice and

rice products, 436.

Germany, number of wage-earners in textile industries, 11; number of cotton spindles, 12; wool consumption, 12; raw silk consumption, 13; imports of wool from, 101, 102; of rice, 437; exports to, of rice and rice products, 436; cottonseed and its products, 547; unmanufactured woods, 622; turpentine and rosin, 654; per capita consumption of rice, 439. Gibraltar, exports to, of cottonseed products,

547.

Ginghams, quantity and value manufac-tured in cotton mills, 34, 53. Glass, statistics of establishments manufacturing, summary, 837, 840, 860; pressed and blown, and bottles and jars, 846, 868; rank of states, 842; building glass, 844, 866; materials used, 851; value of products, 854; imports and exports, 856; description of process of manufacturing, 870; history of industry, 870; stained glass, 871; cut glass, 871; novelties in art glass, 872; chemical glasses, 873; hot cast porcelain, 874; improvements in methods, 874.

Gloversville, N. Y., comparative summary of establishments manufacturing leather

gloves and mittens, 297.

gloves and mittens, 297.
Gloves and mittens, quantity and value manufactured in hosiery and knit goods industry, 66, 82; in wool industry, 105.
Gloves and mittens, leather, quantity and value manufactured, 295; statistics of establishments in Fulton county, Gloversville, and Johnstown, N. Y., 297; summarv. by states. 296, 298.

mary, by states, 296, 298.
Goatskins. See Leather, tanned, curried, and finished.

Gorrie, Dr. John, invention of system of manufacturing ice, 502.

Greece, imports of wool from, 101; of rice and rice products, 437.

Greenland, Iceland, etc., imports of wool from, 101.

Gristmills. See Flour and grist mill products.

Guatemala, exports to, of cottonseed products, 547.

Guiana, exports to, of rice and rice products, 436; cottonseed products, 547.

Gum timber, average value per thousand feet, 598; quantity and value sawed, 608.

Hall, Charles E., section on Clay products by, 877. Hand looms.

See Looms. Hard woods. See Woods.

Harness leather. See Leather, tanned, curried, and finished.

Hats, felt, statistics of establishments manu-

facturing, summary, 114, 152.

Hats, wool, statistics of establishments manufacturing, raw fibers consumed, 8; rank of states, 87; amount of horsepower, 200, materials used 95, 98; value of pavel. 90; materials used, 95, 98; value of products, 104, 110; summary, 114, 128, 150.

Hawaii, shipments to, of rice and rice products, 436; shipments from, 437; summary of rice industry, 438. See also States and

territories.

Hemlock, use of bark for tanning, 273; average value per thousand feet, 598; quantity and value sawed, 606; quantity of standing, 641; location, 643. See also

Tanning materials.

Henp. See Flax, hemp, and jute products.

Hickory, quantity and value sawed, by states, 609.

Hides and skins, used in manufacture of leather, tanned, curried, and finished, kind, quantity, and cost, 258; conditions affecting the quality and substance, 272; used in manufacture of leather gloves and mittens, kind, quantity, and cost, 294, 298.

Honduras, exports to, of cottonseed prod-

ucts, 547.

Hong Kong, exports to, of rice and rice products, 436; cottonseed products, 548; turpentine, 654; rosin, 655; imports from, of rice, 437.

Hoods, scarfs, nubias, etc., quantity and value manufactured, 66, 82.

Hooks and eyes. See Needles, pins, and

hooks and eyes.

Hosiery and knit goods, statistics of establishments manufacturing, summary, 4, 62, 68, 74; amount of capital, 5, 63, 68; wage-carners and wages, 6, 7, 63, 68; raw fibers and yarns consumed, 8; value of products, 9, 10, 66, 69; exports and imports, 10; raw cotton consumed, 32; number of cotton spindles, 40; history of industry, 61; distribution, 63; materials used, 82; quantity and value, in wool industry, 105; silk yarn used, 166; chemicals and dyestuffs, 196. Hume, William, fish canning industry begun

by, 428.

Huron, Mich., exports of rice, 438; turpentine and rosin, 653.

Ice, manufactured, growth of the industry, 495; statistics of establishments manufacturing, summary, 495, 500, 504, 508; systems used, 496, 502; area of natural and artificial ice, 497; amount of capital, 498; materials used, cost and kind, 498; value of products, 498, 499; quantity and value of exports, 501; history and description of industry, 501.

Iceland, imports of wool from, 102. See also

Greenland, Iceland, etc. Idaho. See Montana and Idaho, and States and territories.

Illinois, concentration of printing and publishing industry, 711; circulation of publications, 734, 742, 746, 748. See also States and territories.

Imports, of given manufactures, 10; of cotton goods, 21, 22; raw cotton, 31; wool manufactures, 85, 97; wool, 96, 99, 100, 101, 102, 103; silk and silk goods, 163; raw silk, 179; vegetable ivory, 209; needles, pins, and hooks and eyes, 217; oilcloth and linoleum, 222; principal kinds of leather, 271; gloves, 297; butter and cheese, 311; wheat flour, 353; fish, fruits and vegetables, canned or preserved, 393; rice and rice products, 435; preserved, 393; rice and rice products, 436; slaughtering and meat packing products, 469; salt, 521; tobacco, 555; wood, 622, 623; paper and wood pulp, 683; pens and pencils, 828; glass, 857; clay products, 885. India, raw silk consumption, 13; production, 178; imports from, of wool, 101, 102; rice

industry, importance, 439; production and consumption, 439; method of pro-

ducing ice, 501.

Indian Territory, per cent of crushed cottonseed to total production, 543. See also States and territories.

Indiana, growth of silk industry, 180; circulation of publications, 734, 742, 748. See also States and territories.

Iowa, circulation of publications, 746. See also States and territories.

Ireland, imports of wool from, 101, 102. Ireland, Imports or woot from, 101, 102.
Italy, number of cotton spindles, 12; raw silk consumption, 13; production, 178, 179; imports from, of wool, 101, 102; rice and rice products, 437; exports to, of cottonseed and its products, 547; unmanufactured woods, 622; turpentine and rosin, 654.

Ivory, vegetable, imported for button manufacture, 209.

Japan, cotton consumption, 11; number of Japan, cotton consumption, 11; number of cotton spindles, 12; imports from, of wool, 101; rice and rice products, 437; raw silk production, 178, 179; importance of rice industry, 439; production and consumption of rice, 439; exports to, of rice and rice products, 436; cottonseed products, 548; turpentine, 654; rosin, 655.

Jeans, denims and drilling, imports, 22; exports 23.

ports, 23.

Jersey cloth and stockinet, quantity and

value manufactured, 66, 82.
Johnstown, N. Y., summary of establishments manufacturing leather gloves and mittens, 297.

Jute, consumption of, by industries, 8; summary of establishments manufactur-ing jute goods, 190. See also Flax, hemp, and jute products.

Jute, ramie, and other vegetable fiber yarns, used in hosiery and knit goods industry, quantity and value, 65; in wool manufacture, 95, 99.

Kansas, circulation of publications, 746. See also States and territories.

Kensett, Thomas, canning industry introduced by, 427; oyster canning, 429.

Kentucky. See States and territories.

Kentucky. See States and territories. Key West, Fla., exports of rice, 438; tur-

pentine and rosin, 653. Kilns, number and kind, 896; in industry of pottery, terra cotta, and fire clay products,

Knit goods, imports, 22; exports, 23. See also Hosiery and knit goods.

Knitting machines, number and classifica-tion of those employed in hosiery and knit goods industry, 64, 68, 76.

Labor, cost per spindle in cotton factories,

by states, 43.
Labrador. See Newfoundland and Labrador.

Laces, silk, quantity and value manufacturéd, 172.

Laces and lace curtains, value of imports, 22; statistics of establishments manufacturing, comparative summary, 35.

Land, amount of capital invested in, in cotton industry, 47; in wool industry, 89. Language, newspapers and periodicals clas-

sified by, 730. Lard. See Slaughtering and meat packing,

refined lard and sausage.

Lasts and patterns, methods of making and

designing, 243.

Latch needle machines, number employed in hosiery and knit goods industry, 65. Lawrence, Mass., rank in wool manufacture,

Leather, tanned, curried, and finished, use in boot and shoe industry, 231; statistics of establishments engaged in industry, summary, 257, 260, 265, 278; capital, 257; miscellaneous expenses, 258; materials used, by kind, quantity, and cost, 258; value of output of sole leather, 264; rough leather, 265; upper leather, 265; goatskins, 265; sheepskins, 266; harness leather, 266; rank of states, 267; cities reporting ranked by value of products, 269; power used, 270; exports and imports, 270; history and description of tanning, currying, and finishing process, 271; manufacture of leather, soaking, softening, and fleshing, 274; depilating, bating, handling, plumping, and laying away, 275; stoning, splitting, scouring, stuffing, setting out, buffing, blacking, staking, jacking, graining, 276; fine unhairing, shaving, crutching, perching, clearing and sweetening, seasoning, glazing, and dyeing and coloring, 277; measuring machines, 277.

Lee, William, invention of knitting frame by, 61.

Lee, Will by, 61.

Leggings and gaiters, quantity and value manufactured, 66, 82.

Levant, The, raw silk production, 178, 179. Liberia, exports to, of rice and rice products,

Linen, yarns consumed by various industries, 8; by cotton industry, 34, 52, 58; hosiery and knit goods, 65; wool, 95, 99.

Linen goods, quantity and value manufactured in cotton mills, 54; summary of es-

tablishments manufacturing, 191. Linings, etc., quantity and value manu-

factured in wool industry, 104, 107. Linoleum, description of manufacture, 224.

See also Oilcloth and linoleum. Linters, cottonseed, quantity and value of

exports, 548; quantity obtained, and uses

Liverpool, Ohio, statistics of establishments manufacturing pottery, terra cotta, and fire clay products, 888.

Logging, summary of industry, by states, 592; rank of states, 595; stumpage and log value, 597; average value per thousand feet of principal timber species, 598; quantity and value of principal products, historical sketch of industry, 618; ods used in Lake states, 619: New methods used in Lake states, 619; New England, 619; Adirondacks, 619; South-ern states, 619; Pacific coast, 619; quan-tity and value of logs imported from Canada, 623

Looms, number used in cotton manufactures, 26, 44, 51, 55, 56; in upholstery, 36; wool, 91, 94, 112, 120; worsted goods, 94, 111; carpets and rugs, 112, 113; felt goods, 114; silk goods, 169, 170, 171, 173.

Louisiana, number of rice mills and quantity and value of products, 434; history and description of rice industry, 439; per cent of crushed cottonseed to total productions. tion, 543. See also States and territories. Lucas, A. F., method of salt mining outlined

þу, 529. Lumber and timber products, statistics of establishments manufacturing, summary, 583, 586, 590, 624; value of products, 588, 589, 617; value of machinery, 589; number of wage-earners and wages, 589; rough lumber production as compared with sawed, 610; history and development of industry, 616; exports, 621; imports, 622; effect of tariff laws, 623; value and kind of standing timber on land reported as owned by lumbermen, 640.

Machine twist, value of, with per cent of in-

crease, 164. Machinery, employed in cotton mills, 39, 45, 47, 50; in manufacture of cotton small wares, 56; hosiery and knit goods, 64, 68, 74; woolen goods, 89, 91, 94, 129, 138; worsted goods, 136; carpets and rugs, 146; felt goods, 148; wool hat industry, 150; felt hat industry, 152; shoddy, 154; silk, 183; dyeing and finishing textiles, 202; boots and shoes, 236, 242, 248; flour and flour and grist mills, 370; wood pulp and fiber mills, 682; printing and publishing, 723, 761; brick and tile, 896, 900; pottery, terra cotta, and fire clay products, 914.

McKinley tariff, imports of lumber and timber products affected by, 623.

McMurry, Louis, improvements in canning methods by, 429.

Madeira Islands. See Azores, and Madeira Islands.

Mahogany, imports of, by value, for given years, 622.

Maine, rank in publication of peroidicals, 749. See also States and territories. Malta, Gozo, etc., exports of cottonseed

products to, 547. Manila paper. See Wrapping paper.
Manufactured ice. See Ice, manufactured.

Maple, average value per thousand feet, 598; quantity and value sawed, by states, 609; quantity of standing, 641.

Maryland. See States and territories.

Massachusetts, rank in wool manufactures, 88; growth of silk industry, 180; rank in boot and shoe industry, 235; printing and publishing, 711, 734, 742, 746, 748. See also States and territories.

Massachusetts Bay Colony, grant of first re-corded patent in United States by, 531.

Materials used, cost of, in combined textile industry, 4, 7, 13; cotton manufactures, 26, 51; lace and lace curtains, 35; upholstery goods, 36; cotton small wares, 55, 56, 58; hosiery and knit goods, 62, 65, 69, 76; wool manufactures, 87, 95, 112, 121, 130, 142; worsted goods, 111, 137; carpets 137; carpets and rugs, 112, 137; carpets and rugs, 112, 147; felt goods, 114, 149, 152; shoddy industry, 116, 117, 155; wool seouring and wool pulling, 118, 156, 157; wool hat industry, 150; silk manufactures, 161, 163, 164, 167, 173, 182; flax, hemp, and jute goods, 187, 188, 190; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 199, 201; button industry, 207, 210; needles, pips, and hooks and 207, 210; needles, pins, and hooks and eyes, 215, 218; oilcloth and linoleum, 222, 225; boots and shoes, 229, 231, 233; leather, tanned, curried, and finished, 257, 258, 260, tanned, curried, and finished, 257, 258, 260, 278; leather gloves and mittens, 293, 294, 296, 297, 298; butter, cheese, and condensed milk, 305, 306, 307, 316; butter, 324; cheese, 332; condensed milk, 336; flour and grist mill products, 343, 344, 347, 348, 357, 368; starch, 383, 384, 387; canning and preserving, fruits and vegetables, fish, and oysters, 391, 397; fruits and vegetables, 400, 402, 408; fish, 416, 417, 420; oysters, 422, 423, 425; rice cleaning and polishing, 433, 438, 442; beet sugar industry, 445, 446, 455; slaughtering and meat packing, 459, 460, 463, 464, 466, 472, 480, 484; ing, 459, 460, 463, 464, 466, 472, 480, 484; manufactured ice, 495, 498, 500, 504, 508; manufactured ice, 495, 498, 500, 504, 508; salt industry, 515, 517, 522; cottonseed products, 541; tobacco, 553, 554, 556, 557, 559, 560, 561, 562, 564, 576; lumber and timber products, 631; turpentine and rosin, 649, 650, 651, 656; paper and wood pulp, 661, 664, 666, 686; printing and publishing, 702, 707, 718, 720, 753, 761, 771, 778, 780, 800, 812; pens and pencils, 827; class, 837, 860; clay products, 877, 878; glass, 837, 860; clay products, 877, 878; brick and tile industry, 886, 898; pottery, terra cotta, and fire clay products, 887, 910. Meal and cake, cottonseed, growth of industry, 550.

Measuring machines, for leather, 277.

Meloy, Hugh B., section on Manufactured ice by, 495.

Men. See Wage-earners.

Mercerized cotton yarn, quantity consumed

and cost, 34. Merchant mills, summary of, in flour and grist mills industry, 343; in order of their rank as wheat producers, by states, 351. Merino yarn, quantity and cost, consumed in cotton mills, 34; in hosiery and knit goods industry, 65; in wool manufactures, 95, 99. Merriam, Robert H., section on Starch by, 383.

Mexico, cotton consumption, compared with other countries, 11; number of cotton spindles, 12; exports to, of rice and rice products, 436; ice, 501; cottonseed and its products, 547; unmanufactured woods, 622; turpentine, 654.

Michigan, beet sugar industry, 446, 447, 453. See also States and territories.

Milk and its by-products, cream and milk, 311; skimmed milk, 312; condensed milk,

Mill supplies, cost of, in manufacture of cotton goods, 53; of cotton small wares, 58. Minneapolis, Minn., importance as a milling

center, 349.

Minnesota. See States and territories.
Minnesota, Minn., exports of rice, 438.
Miquelon, Langley, etc., exports to, of rice, 436; turpentine, 654.

Mississippi. See States and territories.
Missouri. See States and territories.
Mittens. See Gloves and mittens.
Mobile, Ala., exports of rice, 438; turpenting and rosin 652

tine and rosin, 653.

Mohair, quantity and cost, used in hosiery and knit goods industry, 65, 82; in wool manufactures, 95, 96.

Mohair dress goods, quantity and value, 107. Mohair yarn, consumed in cotton manufacture, 34; in silk industry, 167.

Montana. See States and territories. Montana and Idaho, exports of rice, 438; turpentine and rosin, 653.

Morocco, average consumption of raw silk in, 13.

Mosquito and other netting, quantity and value manufactured, 34, 53.

Mule spindles, number in cotton mills, by Mule spinners, number in cotton mills, 30, 50.

Mungo. See Shoddy and mungo. Munroe, Prof. Charles E., section on Salt

by, 515. Music, summary for establishments printing, 719.

Mutton, quantity and value sold, 468. Myrobalan, use in tanning, 273.

National Association of Wool Manufacturers, estimate of wool industry, 118.

Nebraska, beet sugar industry, 453. See also States and territories.

Needles, pins, and hooks and eyes, statistics of establishments manufacturing, summary, 215, 217; value of products, 216; value of imports, 217.

Netherlands, imports of wool from, 101, 102; of rice, 487; exports to, of rice and rice products, 436; cottonseed and its products, 547; unmanufactured woods, 622; turpential and manufactured woods, 622; turpential and manufactured woods.

tine and rosin, 654.

Nevada. See States and territories. New England, effect of labor troubles on cotton manufactures, 20; growth of silk industry, 180; importance of boot and shoe industry, 232. See also States and territories.

New Hampshire. See States and territories. New Jersey, detailed statistics of establishments manufacturing silk, 174; growth of the industry, 180; rank in oilcloth and lineleum industry, 222. See also States and territories.

and territories.

New London, Conn., exports of rice, 438.

New Mexico. See States and territories.

New Orleans, La., exports of rice, 438; turpentine and rosin, 653.

New York, growth of silk industry, 180; concentration of printing and publishing industry, 711; circulation of publications,

734, 742, 746, 748. See also States and territories.

New York, N. Y., cotton quotations for yarious years, 20; exports of rice, 438; turpentine and rosin, 653; concentration of printing and publishing industry, 712; circulation of publications, 750; rank in monthly publications, reasons for, 751.

Newfoundland and Labrador, exports to, of rice and rice products, 436; cottonseed products, 547; turpentine, 654. Newport News, Va., exports of rice, 438;

turpentine and rosin, 653.

Newspaper. See Paper.

Newspapers and periodicals, relative importance of industry, 710, 711; statistics of establishments engaged in industry, summary, 720, 770, 812; value of products, 721, 724, 725, 757; statistics by geographic divisions, 722; value of advertising and subscription sales, 721, 724; increase in industry, 725; comparison of exclusive and combination establishments, 726, 758; number, by period of issue, 727, 728, 782; number, by period of issue, 727, 728, 782; increase in weekly publications, 728; in daily papers, 729; character of publications, 729; language, 730; statistics of circulation, 730; increase, 731; by states, 732; by geographic divisions, 733; in the leading states, 734; export circulation, 736; circulation by character, 737, 798; by period of issue, 738, 739, 786; rank of states, 740; daily newspapers, 740; circulation, 741; in leading states, 742; in large cities, 743, 744; weekly publications, 744; circulation, 745; in leading states, 746; importance of, 747; monthly publications, 747; circulation, 747, 748; in large cities, 747; circulation, 747, 748; in large cities, 750, 751; statistics for industry in Alaska, 752; materials used, quantity, and cost, 778, 780; aggregate issue during census year, 796.

Niagara, N. Y., exports of turpentine and rosin, 653.

Nicaragua, exports to, of cottonseed products, 547.

See Materials used, wool Noils.

North America, imports of wool from, 102. North Carolina, growth of silk industry, 180; per cent of crushed cottonseed to total production, 543. See also States and territo-

North Dakota, exports of turpentine and rosin, 653. See also States and territories. Norway. See Sweden and Norway.

Nova Scotia, New Brunswick, etc., exports to, of cottonseed products, 547.

Oak, average value per thousand feet, 598; quantity and value sawed, 609; quantity

of standing, 641.
Oak bark. See Tanning materials.
Oceania, exports to, of rice and rice products, 436; unmanufactured woods, 622; turpen-

400; tillmantifactoried woods, 622; turpentine, 654; rosin, 655.

Ohio, growth of silk industry, 180; concentration of printing and publishing industry, 711; circulation of publications, 734, 742, 746, 748. See also States and territories. tories.

Oil, cottonseed, quantity and value of exports, 547, 548; description of uses, 550. See also Cottonseed products.

Oilcloth and linoleum, statistics of establishments manufacturing, summary, 221, 225; value of products, 222; imports and exports, 222; history and description of industry, 222.

Oklahoma, per cent of crushed cottonseed to total production, 543. See also States and territories.

Oregon. See States and territories.

Organzine and tram, silk, how enumerated, 161; quantity and value, 162, 164; number of spindles in silk mills, 165. Oswegatchie, N. Y., exports of rice, 438; turpentine and rosin, 653.

Oysters, canned, value of exports, 393; statistics of establishments engaged in industry, summary, 397, 422, 423, 425; rank of states, 423; history and description of industry, 426, 429.

Palmetto root, location, 273,

Pamlico, N. C., exports of turpentine and rosin, 653.

Panama, exports to, of cottonseed products,

Paper, production of newspaper, quantity and value, 668; book, 668, 669; cover and and value, 668; book, 668, 669; cover and heavy printing, 669; card and bristol board, 669; wrapping, 670; fine, 673; writing, 673; boards, 673; tissue, 678; blotting, 678; building, 679; hanging, 679; imports and exports, 683; need of technical education in making, 684; quantity used in newspaper and periodical industry, 723.

Paper and wood pulp, statistics for establishments manufacturing, summary, 661, 664, 686; amount of capital, 666; materials used, 666; value of products, 667; progress of the

industry, 684.

Paraguay, exports to, of cottonseed products,

Passo del Norte, Tex., exports of rice, 438; turpentine and rosin, 653.

Passaic county, N. J., detailed statistics for silk establishments, 174.

Passamaquoddy, Me., exports of rice, 438; turpentine and rosin, 653.
Peaches, quantity and value, canned, 407; canned and preserved, 410; dried, 410. Pearl buttons, statistics of establishments

manufacturing, summary, 207, 208 Pearl River, Miss., exports of rice, 438; turpentine and rosin, 653.

Pears, canned and preserved, quantity and value, 410.

Peas, canned, quantity and value, 406, 410: improvements in machinery for canning,

Peffers, H. B., section on Glass by, 837. Pencils, lead, statistics for establishments manufacturing, summary, 832, 834; num-ber of establishments, by states, 833. See

also Pens and pencils. Pennsylvania, growth of silk industry, 180; concentration of printing and publishing industry, 711; circulation of publications, 734, 742, 746, 748. See also States and

territories.

Pens, statistics for establishments manufacturing, fountain and stylographic, summary, 828, 829; gold, summary, 830; steel, summary, 831. See also Pens and pencils

Pens and pencils, statistics for establishments manufacturing, summary, 827; products, by kind, quantity and value,

Pensacola, Fla., exports of rice, 438; turpentine and rosin, 653.

Peppel, Prof. S. V., observations and experiments concerning sand-lime brick, 894.
Periodicals. See Newspapers and periodicals.

Perkins, Mr. Jacob, invention of ice machine, 501.

Peru, imports of wool from, 102; of rice, 437; exports to, of rice and rice products, 436; cottonseed and its products, 547; turpentine, 654; rosin, 655.

Philadelphia, Pa., rank in wool manufactures, 88; exports of rice, 438; turpentine and rosin, 653; concentration of printing and publishing industry, 712; circulation of publications, 750.

Philippine Islands, quantity of rice produced, 439; imports of rice to, 439.

value of products for each class of establish-

Pine, white, quantity of standing, 641; location, 642

Pins, imported, value of, 217. See also Needles, pins, and hooks and eyes.

Pipe clay, average cost per ton purchased, 883.

Pipes, tobacco, manufacture of, 935.

Planing mills, summary, 614; rank of principal states in products of, 615.

Planks. See Boards, planks, deals, etc. Plants, equipment of, in salt industry, 517,

Plate ice. See Ice, manufactured. Plums, canned and preserved, quantity and

value, 410.

Pomeroy, Ohio, operations of salt grainers,

Poplar, average value per thousand feet, 598; quantity and value sawed, 609.

Porcelain, history and development of industry in United States, 925; art wares produced, 926

Pork, quantity produced, 468. See also Slaughtering and meat packing.

Portland and Falmouth, Me., exports of

Porto Rico, shipments to, of rice and rice

products, 436.
Portugal, number of cotton spindles, 12;

imports of wool from, 101, 102; of rice products, 437.
Potato starch, quantity and value manufac-

tured, 384, 386.

Pottery, value of products, 881; value of exports, 885; historical and descriptive sketch, 896; American art pottery, 922; slip clay, 923; forming, 923; firing, 924, 925; glazing, 924; porcelain, 925; stone-ware, 926; cart henvier, 927; art wares ware, 926; earthenware, 927; art wares, 931; terra cotta, 934; tobacco pipes, 935.

Pottery, terra cotta, and fire clay products, statistics for establishments manufactur ing, value of products, 887, 892; cost of materials used, 887; summary for specified cities, 888; detailed summary, by states, 910. See also Pottery.

Power, employed in establishments engaged in manufacture of cotton goods, 39, 52 53; cotton small wares, 58; hosiery and knit goods, 76; wool, 90, 135, 142; worsted goods, 137; carpets and rugs, 147; felt goods, 149; wool hats, 151; felt hats, 153; shoddy, 155; wool scouring, 156; wool pulling, 157; silk, 184; flax, hemp, and jute products, 188; textiles, dyeing and finishing, 202; buttons, 211; needles, pins, and hooks and eyes, 218; oilcloth and linoleum, 225; boots and shoes, 241, 248; leather, tanned, curried, and finished, 270, 282; leather gloves and mittens, 300; butter, cheese, and condensed milk, 318; butter, 326; cheese, 334; condensed milk, 338; flour and grist mill products, 370; starch, 388; canning and preserving, fruits and vegetables, 410; fish, 421; oysters, 426; rice, cleaning and polishing, 442; beet sugar, 455; slaughtering and meat packing, 474, 486; slaughtering, not including meat packing, 482; ice, 508; salt, 524; tobacco, 566, 578; turpentine and rosin, 657; lumber and timber products, 637; paper and wood pulp, 683, 690; book and job printing, 802; payers and paidists, 214. 802; newspapers and periodicals, 814; glass, 864; brick and tile, 900; pottery, terra cotta, and fire clay products, 914.

Printing and publishing, importance of industry, 701; statistics for establishments engaged in, summary, 702, 707, 753; increase in number of establishments, 702, 708, 709; in capital and value of products, 703, 708, 709; total and per capita value of products, 705; comparison with leading industries, 706; comparison of the two branches of industry, 710; concentration in cities, 717; statistics for Alaska, 752;

ment, 757, 758. See also Book and job printing and Newspapers and periodicals. Products, value of, in combined textiles, 3, 8; not including flax, hemp, and jute products, 13; cotton manufactures, 26, 34, 51, 53, 56, 56, 58; lace and lace curtains, 35; upholatour, 26; horizontal limit goods, 69, 60, holstery, 36; hosiery and knit goods, 62, 69; wool, 87, 103, 104, 105, 112, 121, 132, 142; worsted goods, 111, 137; carpets and rugs, worsted goods, 111, 137; carpets and rugs, 112, 147; felt goods, 114, 149; wool hats, 114, 151; felt hats, 114, 152; shoddy, 116, 155; wool scouring, 156; wool pulling, 157; silk, 161, 164, 173, 182; flax, hemp, and jute, 187, 188, 190; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 199, 201; buttons, 206, 211; needles, pins, and hooks and eyes, 215, 216, 218; cilcleth and lineleum, 221, 222. 216, 218; oilcloth and linoleum, 221, 222, 225; boots and shoes, 229, 232, 233, 239, 240, 248; leather, tanned, curried, and finished, 257, 260, 264, 267, 280; leather gloves and mittens, 293, 295, 296, 297, 300; butter, cheese, and condensed milk, 305, 306, 307 318; butter, 326; cheese, 334; condensed milk, 338; flour and grist mill products, 343, 345, 347, 348, 361, 370; starch, 383, 387; canning and preserving, fruits and preserving and preserving, fruits and preserving and preserving. vegetables, fish and oysters, 391, 397; fruits and vegetables, 400, 402, 405, 410; fish, 416, 417, 421; oysters, 422, 423, 426; rice, 433, 434, 438, 442; beet sugar, 445, 446, 455; slaughtering and meat packing, 459, 460, 461, 463, 464, 467, 468, 474; slaughtering, not including meat packing, 482; manufactured ice, 495, 500, 505, 508; salt, 515, 518, 519, 522; cottonseed, 541, 542, 544, 546; tobacco, 553, 554, 556, 557 559, 560, 561, 562, 576; lumber and timber 559, 560, 561, 562, 576; lumber and limber, 633; turpentine and rosin, 649, 650, 651, 652, 657; paper and wood pulp, 661, 664, 667, 688; printing and publishing, 702, 703, 705, 707, 708, 711, 712, 753, 757; book and job printing, 713, 715, 716, 761, 766, 800; newspapers and periodicals, 720, 724, 771, 779, 781, 812; pens and pencils, 827; glass, 837, 862; pottery, terra cotta, and fire clay

Proprietors and firm members, of estab-lishments engaged in manufacture of hosiery and knit goods, 74; wool, 128, 138; hostery and knit goods, 74; wool, 128, 138; worsted goods, 136; carpets and rugs, 146; felt goods, 148; wool hats, 150; felt hats, 152; shoddy, 154; wool scouring, 156; wool pulling, 157; silk, 181; flax, hemp, and jute products, 188; buttons, 210; needles, pins, and hooks and eyes, 217; oilcloth and linoleum, 225; boots and shoes, 246: leather, tanned, curried, and fine 246; leather, tanned, curried, and finished, 278; leather gloves and mittens, 298; butter, cheese, and condensed milk, 316; butter, 324; cheese, 332; condensed milk, 336; flour and grist mill products, 368; starch, 387; canning and preserving, fruits starch, 387; canning and preserving, and vegetables, 408; fish, 420; oysters, 425; rice, cleaning and polishing, 441; slaughtering and meat packing, 472, 484; slaughtering and meat packing, 480; tering, not including meat packing, 480; manufactured ice, 508; salt, 522; cotton-seed products, 539; tobacco, 564, 576; lumber and timber products, 625; turpentine and rosin, 656; paper and wood pulp, 686; book and job printing, 800; newspapers and periodicals, 812; glass, 860; brick and tile, 898.

837, 862; pottery, terra cotta, and fire clay products, 877, 878, 880, 887, 912; brick and tile, 886, 900.

Providence, R. I., rank in wool manufactures, 88.

Prunes, quantity and value, by states, 410. Publications, number of, classified by period of issue and character, 782, 814; by language, 814; newspapers and periodicals, 723, 770, 778, 780. See also Book and job printing, Newspapers and periodicals, and Printing and publishing. Puget Sound, Wash., exports of rice, 438; turpentine and rosin, 653. Pumpkins, canned, quantity and value, by states, 410.

Quebec, Ontario, Manitoba, etc., exports to; of cottonseed products, 547. Quebracho, description of, 273. See also Tanning materials.

Race, number of newspapers and periodicals

classified by, 730.
Raisins, dried, quantity and value, 410.
Raspberries, canned and preserved, quantity and value, 410.
Raw cotton. See Cotton.

Raw silk. See Silk, and Silk and silk goods. Redwood, average value per thousand feet, 598; quantity and value sawed, 607 shingle production, 611; quantity of standing, 641; location, 644.

Rhode Island. See States and territories. quantity of

Ribbons and narrow fabrics, silk. See Silk and silk goods.

Rice, exports and imports, 435; exports, by countries, 436; by customs districts, 438; world's production, 439; quantity produced in Philippine Islands, 439; capita consumption, 439; history and description, 439

Rice, cleaning and polishing, statistics of establishments engaged in, summary, 433, 441; for Hawaii, 438; number and classification of mills, 433, 434; value of products, 434, 435.

Ries, Prof. Heinrich, "Clays of the United States" by, quoted from, 894. Rock salt. See Salt.

Rolls and roller process. See Flour and grist mill products.

Rosin, quantity and value of exports, 654. See also Turpentine and rosin. Rossiter, Wm. S., section on Printing and

publishing by, 701.
Roth, Dr. Filibert, timber estimate by, 639,

Roumania, exports to, of cottonseed products, 547

Rugs, production of, by kind, quantity, and value, 109. See also Carpets and rugs. Russia, number of cotton spindles, 12; confrom, 101, 102; exports to, of rice and rice products, 436; cottonseed products, 547; rosin, 654.

Saginaw, Mich., salt manufacturing, 520. St. Johns, Fla., exports of rice, 438; turpentine and rosin, 653.

St. Louis, Mo., concentration of printing and publishing industry, 712; circulation of

monthly publications, 750. Salaried officials, clerks, etc., number and salaries, in establishments engaged in specified industries, of combined textiles, 13; flax, hemp, and jute industry, 187, 188, 190; cotton industry, 26, 48; lace curtains, 35; upholstery, 36; cotton small wares, 55, 56, 57; hosiery and knit goods, 62, 68, 74; woolen goods, 87, 112, 120, 128, 138; worsted goods, 111, 136; carpets and and pulling, 118, 156, 157; silk, 161, 173, 181; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 198, 200; buttons, 205, 206, 208, 210; needles, pins, and hooks and eyes, 215, 217; oil-cloth and linoleum, 221, 222, 225; boots and shoes, 229, 246; leather, tanned, curried, and finished, 257, 260, 278; leather cloves and mittens, 298, 296, 297, 298. gloves and mittens, 293, 296, 297, butter, cheese, and condensed milk, 305,

307, 316; butter, 324; cheese, 332; condensed milk, 336; flour and grist mill industry, 343, 344, 356, 368; starch, 383, 384, 387; canning and preserving, fruits and vegetables, fish, and oysters, 391, 392, 396; fruits and vegetables, 400, 408; fish, 416, 420; oysters, 422, 425; rice, despring 396; Iruns and vegetables, 400, 405; Irin, 416, 420; oysters, 422, 425; rice, cleaning and polishing, 433, 438, 441; beet sugar, 445, 446, 447, 454; slaughtering and meat packing, 459, 460, 463, 464, 472, 480, 484; manufactured ice, 495, 500, 504, 508; salt, 515, 516, 509; contrasped medium, 539. manufactured ice, 495, 500, 504, 508; san, 515, 516, 522; cottonseed products, 539; tobacco, 553, 554, 556, 557, 560, 561, 564, 576; lumber and timber products, 583, 592, 600, 613, 614, 625; turpentine and rosin, 649, 656; paper and wood pulp, 661, 664, 686; printing and publishing, 702, 753; book and job printing, 713, 760, 766, 800; newspapers and periodicals, 720. 766, 800; newspapers and periodicals, 720, 700, 800; newspapers and periodicais, 720, 770, 812; pens and pencils, 827; pens, 828, 829, 830, 831, 832; pencils, lead, 832, 834; glass, 837, 840, 844, 848, 860, 866; clay products, 877, 888, 910; brick and tile industry, 898.

Salaries and wages, amount paid in establishments angeged in pointing and publishing

ments engaged in printing and publishing, 707; book and job printing, 714, 716; newspapers and periodicals, 722. Secalso Salaried officials, clerks, etc., and Wage-earn-

ers and wages.

Salmon, canned, quantity and value, 418; canning process described, 428.

Salometer, description of instrument, 531. Salt, method of measuring, 515; regions producing, 520; relation to lumber industry in Michigan, 520; supply and consumption, 521; imports and exports, 521; where found and in what forms, 526; importance of, 526; history of industry in United States, 527; propose of each transparent United States, 527; passage of act to tax foreign, 528; methods of obtaining rock and solar, 529; quantity consumed for specific purposes, 532; uses of compounds of, 532; bibliography, 533; statistics of establishments manufacturing, summary, 515, 522; equipment of plants, 517, 518; fluctuations in capital, 517; materials used, 517; products, 518; bromine as a by-product, 518; production by states, 520; method of making, 530; use of salometer,

Salt Association of Michigan, growth of salt industry due to operations of, 520. Saluria, Tex., exports of rice, 438; turpen-

tine and rosin, 653.

Salvador, exports to, of rice and rice products, 436; of cottonseed products, 547.
Samoa. See Tonga, Samoa, etc.
San Diego, Cal., exports of rice, 438; turpentine and rosin, 65.

San Francisco, exports of rice, 438; turpentine and rosin, 653.

Sanderson, Elmore W., section on Boots and shoes by, 229; on Leather, tanned, curried, and finished, 257.

Sardines, canned, quantity and value, 419. Sausage. See Slaughtering and meat packing, refined lard and sausage.

Savannah, Ga., exports of rice, 438; turpentine and rosin, 653.

Sawmills, statistics of establishments operating, summary, 600; rank of leading lumber states, 602; classified by amount of rough lumber sawed, 608, 606; capatity and lumber sawed, 603, 606; quantity and value of principal products, 604; production of shingles, 611; of cooperage materials, 612; of veneers, 613; historical sketch of industry, 620.

Scotland, imports of wool from, 101, 102. Sea-island cotton, quantity used in cotton mills, 31; quantity and value, used in manufacture of cotton goods, 52.

Servia, imports of wool from, 101. Sewing cotton, quantity and value manufactured in cotton mills, 54. Sewing machines, number employed in hosiery and knit goods industry, 65, 68, 74. Shawls, quantity and value manufactured, 66, 82, 104, 106.

Sheepskins, increase in value, 266; states leading in production, 266. See also Hides and skins.

Shingles, production, by species of wood, 611

Shoddy, raw fibers consumed, 8; amount used in hosiery and knit goods industry, 65, 69, 82; in wool manufacture, 95, 98, 99; process of making, 115; statistics of establishments manufacturing, summary, 116, 154; materials and products, 116; production of shoddy and mungo, 117. Shoes. See Boots and shoes.

Shrimp, canned, quantity and value, 419. Siam, imports from, of rice and rice products,

Stilk, amount consumed, 7, 8; rank of United States in manufacture, 13; consumption of raw, 13, 164; production, 178; imports, 179; amount used in upholstery manufactures, 36; in hosiery and knit goods industry, 65; spun silk yarns used in cotton manufactures, 34, 52, 55, 58; in wool manufactures, 95, 99; standardization of the skein, 179.

Silk and silk goods, statistics of establishments manufacturing, summary, 4, 161, 181; capital invested, 5; wage-earners and wages, 6; raw fibers and yarns consumed, 8; value of products, 9, 10, 161, 162; cost of materials used, 9, 161, 162; exports and imports, 10; imports and domestic production, 163; increase in production, 164, 168; machine twist and sewing silk, 167, 168, 172; piece-dyed, 169; broad goods, 169, 172; ribbons and narrow fabrics, 163, 171, 172; finished goods, 172; dyeing and printing, 177, 178, 195, 196, 200; exhibit at St. Louis Exposition, 179; growth of industry,

Silk mills, number of throwing spindles, 165; looms, 170, 171; dyeing and printing, 177,

Skilled operatives, in cotton mills, 30, 50; in hosiery and knit goods industry, 74.

Slaughtering, wholesale, not including meat packing, detailed summary, by states, 480. Slaughtering and meat packing, statistics of establishments engaged in, summary, 459, 460, 461, 463, 464, 472; materials used, by kind and cost, 466; number and gross weight of animals slaughtered, 467; value of products, 467, 468; imports and exports, 469, 470.

Slaughtering and meat packing, refined lard and sausage, comparative summary for industry, 460.

Slip clay, average cost per ton, 883. Smoking tobacco. See Tobacco, chewing and smoking, and snuff, and Tobacco.
Snuff. See Tobacco, chewing and smoking, and snuff, and Tobacco.

Soap, quantity and value used in wool manufactures, 99. Solar salt. See Salt.

South America, imports from, of wool, 101, 102; rice, 437; exports to, of rice and rice products, 436; ice, 501; turpentine, 654; rosin, 655; unmanufactured woods,

South Carolina, number of establishments engaged in cotton manufacture, 27; rank as a cotton manufacturing state, 28; rice mills and rice products, 434; history and description of rice industry, 439. See also States and territories.

South Dakota, exports of turpentine and rosin, 653. See also States and territories. Spain, number of cotton spindles, 12; average consumption of raw silk, 13; raw silk production, 178; imports from, of wool, 101, 102; rice and rice products, 437; exports to, of cottonseed and its products, 547; turpentine and rosin, 654.

Spindles, number of, in various countries, pindies, number of, in various countries, 12; in establishments engaged in manufacturing cotton, 26, 28, 55, 56; progress of cotton industry estimated by, 39; number in all textile industries, 40; mule and frame, in cotton mills, 41; number of frame, sold, 42; consumption of cotton permindle, 49; companious with wave commended. spindle, 42; comparison with wage-earners 43; in hosiery and knit goods industry, 64, 68, 76; in wool, 91, 94, 112, 121; worsted, 111; carpets and rugs, 112; felt goods, 114; silk goods, 165, 166, 173.

Spinners, number in cotton mills, 30; in silk mills, 177.

Spinning mills, number and capacity, by states, 45. Spruce, average value per thousand feet, 598; quantity and value sawed, 607; quantity of standing, 641; location, 642.

quantity of standing, 041; 10Cation, 042.

Spun silk. See Silk.

Stanwood, Edward, section on Combined textiles by, 3; on Cotton manufactures, 19; Hosiery and knit goods, 61; Flax, hemp, and jute products, 187; Dyeing and finishing textiles, 195.

Starch, amount used in manufacture of cotton goods, 53, 58; statistics for establishments manufacturing, summary, 383, 387;

quantity and value of products, 384; of exports, 386.
States and territories, statistics of industries by, combined textiles, 13; domestic cotton, other than sea-island, 32; cotton yarns, 38; other than sea-island, 32; cotton yarns, 38; cotton spindles, 27,40, 41, 43; cotton mills, 45; cotton goods, 47; cotton small wares, 55, 56, 57; hosiery and knit goods, 64, 68, 74; wool, 87, 92, 93, 120, 138, 150; shoddy, 117, 154; worsted goods, 136; carpets and rugs, 146; felt goods, 148; wool hats, 150; felt hats, 152; wool scouring, 156; wool pulling, 157; silk, 162, 164, 165, 166, 168, 169, 170, 171, 173, 175, 176, 177, 178, 180, 181; flax, hemp, and jute products, 188; dyeing and finishing textiles, 198, 200; buttons, 206, 208, 210; needles, pins, and hooks and eyes, 216, 217; oilcloth and linoleum, 222, 225; boots and shoes, 233, 235, 236, 237, 246; leather, tanned, curried, and finished, 260, 267, 278; leathergloves and mittens, 296, 298; butter, leathergloves and mittens, 296, 298; butter, cheese, and condensed milk, 307, 310, 316; butter, 324; cheese, 332; condensed milk, butter, 324; cheese, 332; condensed milk, 336; flour and grist mill products, 345, 346, 349, 351, 352, 356, 368; starch, 384, 385, 387; canning and preserving, fruits and vegetables, fish, and oysters, 396; fruits and vegetables, 402, 405, 406, 407, 408; fish, 417, 418, 419, 420; oysters, 423, 425; rice industry, 434, 435, 439, 441; beet sugar, 445, 446, 447, 448, 449, 450, 454; slaughtering and meat packing, 461, 463, 472, 480, 484; manufactured ice, 496, 498. 472, 480, 484; manufactured ice, 496, 498, 499, 504, 508; salt, 516, 518, 520, 522, 527; cottonseed and its products, 538, 542, 544, 546; tobacco, 557, 559, 561, 562, 564, 576; lumber and timber, 586, 592, 600, 602, 608, 611, 614, 617, 624, 640, 14 more time. 603, 606, 611, 614, 617, 624, 640; turpentine 603, 606, 611, 614, 617, 624, 640; turpentine and rosin, 650, 651, 656; paper and wood pulp, 664, 680, 681, 682, 686; paper, 668, 669, 670, 673, 674, 678; printing and publishing, 709, 753, 757, 758; book and job printing, 715, 760, 800; newspapers and periodicals, 725, 732, 736, 740, 746, 748, 770, 780, 782, 786, 796, 798, 812; pens, 828, 829, 830, 831; glass, 840, 842, 844, 848, 860, 866; clay products, 878, 880, 883, 884, 890, 892, 898, 910.

Stone, runs of, number in flour and grist mills, 365.

mills, 365.

Stoneware, average cost of clay purchased, 883; manufacture, 926. Straw paper. See Wrapping paper.

Strawberries, canned and preserved, quantity and value, 410.
Sugar, cane and beet, commercial produc-

tion of the world, 451.

Sugar pine, location, 644.

Sumac, use in tanning, 273. See also Tanning materials.

Superior, Mich., exports of rice, 438; turpentine and rosin, 653.

Sweden, imports from, of wool, 101.

Sweden and Norway, exports to, of rice and rice products, 436; cottonseed products, 547.

Sweet potatoes, canned, quantity and value, 410.

Switzerland, number of cotton spindles, 12; consumption of raw silk, 13; imports from, of wool, 101.

Sycamore, quantity and value sawed, 609. Syracuse, N. Y., salt manufacture, 521. Syria, consumption of raw silk, 13.

Tamarack, quantity and value sawed, 607. Tampa, Fla., exports of turpentine and rosin,

Tanning materials, used in industry of leather, tanned, curried, and finished, by kind quantity, and cost, 258; vegetable varieties, 273; mineral, 274.

Tapestries, quantity and value manufactured by cotton goods establishments, 34; upholstery, 36; silk, 164, 169.

Tariff laws, effect on wool importation, 100, 103; on lumber, 623.

Tennessee, per cent of crushed cottonseed to total production, 543; circulation of newspapers and periodicals, 734. See also States and territories.

Terra cotta. See Pottery, and Pottery, terra cotta, and fire clay products.

Texas, number of rice mills and quantity and value of products, 434; history and description of rice industry, 440; per cent of crushed cottonseed to total production, 543. See also States and territories

Textile industries, interchange of fibers in, 166. See also Combined textiles.

Threads and yarns. See Yarns. Throwsters, commission, importance in silk industry, 164.

Tiles, manufacture of, history and progress of industry, 933. See also Brick and tile. Timber, summary of camps, by states, 592; average value per thousand feet of principal species, 598; classification of timber regions of United States, 639. See also

Lumber and timber products.

Tobacco, comparative summary of establishments engaged in the industry, 553, 554; cost of materials used, 554; acreage and quantity grown, 555; quantity of leaf, used in manufactures, 555; exports and imports, 555; from what countries imported, 556; to what countries exported, 556. See also Cigars and cigarettes, and Tobacco, chewing and smoking, and snuff.

Tobacco, chewing and smoking, and snuff, statistics of establishments manufacturing, summary, 554, 560, 561, 576; cost of mate rials used, 554; quantity of materials and products, 562; quantity withdrawn for consumption, 563.

Tomatoes, canned, quantity and value, by states, 406, 410.
Tonga, Samoa, etc., exports to, of rice and

rice products, 436.
Towels and toweling, manufactured in cotton

mills, quantity and value, 54.

Trenton, N. J., statistics of establishments manufacturing pottery, terra cotta, and fire clay products, 888.

Turkey, imports of wool from, 101, 102; of rice and rice products, 437; exports to, of cottonseed products, 547, 548.

Turpentine, quantity and classes distilled, and value of products, 652; quantity and value of exports, 654. See also Turpentine

Turpentine and rosin, statistics of establishments manufacturing, summary, 649, 650, 656; value of products, 651, 652; consumption and exports, 652; quantity of exports by customs districts, 653; future of industry, 655.

Twills and sateens, quantity and value manufactured in cotton mills, 34, 53.

Twine, quantity and value manufactured in cotton mills, 34, 54. See also Cordage and twine.

Typecasting and typesetting machines, number of, per cent distribution in news-paper and periodical industry, 723; number of machines and operators in book and job printing industry, 761; in newspaper and periodical industry, 770.

Underwear, quantity and value manufactured, included in hosiery and knit goods industry, 67, 82. United Kingdom, consumption of cotton

compared with other countries, 11; number of wage-earners engaged in textile industries, 11; number of cotton spindles, 12; consumption of wool, 12; exports to, of rice and rice products, 436; cottonseed and its products, 547; unmanufactured woods, 622; turpentine and rosin, 654; imports of rice from, 437

United States, accuracy of industrial statistics, 10; wage-earners in textile industries, 11; cotton consumption, 11; number of cotton spindles, 12; wool consumption, 12; raw silk consumption, 13. See also

States and territories.

Upholstery goods, quantity and value manufactured in cotton mills, 34, 36, 53; in wool establishments, 104; silk, 169, 172. Upper leather. See Leather, tanned, curried, and finished.

Uruguay, imports from, of wool, 101, 102; exports to, of cottonseed products, 548; tur-

pentine, 654; rosin, 655. Utah, growth of silk industry, 180; beet sugar industry, 453. See also States and territories.

Vacuum system, used in ice manufacture, description, 502.

Valonia, use in tanning, 273.

Vegetables, imports and exports, 393; statistics of establishments engaged in can-

tistics of establishments engaged in canning and preserving, summary, 397; kind, quantity, and value of products, 410; description of industry, 427.

Velvets, silk, quantity and value manufactured, 164, 169, 172.

Veneers, production of, by states, 613.

Venezuela, imports of wool from, 101; exports to, of rice and rice products, 436; cottonseed products, 548; turpentine, 654; rosin, 655. rosin, 655.

Vermont, rank in wool manufacture, 87; growth of silk industry, 180. See also States and territories.

Vermont, Vt., exports of rice, 438; turpentine and rosin, 653.

Vicuña hair. See Materials used, wool.

Virginia. See States and territories.

Wage-earners and wages, in specified industries of combined textiles, 4, 6, 7, 11, 13; cotton manufactures, 26, 29, 30, 48; lace curtains, 35; upholstery goods, 36; cotton small wares, 55, 56, 57; hosiery and knit goods, 62, 63, 68, 74; wool manufactures, 87, 89, 90, 112, 120, 128, 138; worsted goods, 111, 136; carpet and rug industry, 112, 146; wool hat industry, 114, 150; felt

goods, 114, 148; felt hats, 114, 152; shoddy, 116, 117, 154; wool scouring and wool pulling, 118, 156, 157; silk manufactures, 161, 173, 176, 177, 181; flax, hemp, and jute industry, 187, 188, 190; cordage and twine, 190; linen goods, 191; dyeing and finishing textiles, 196, 199, 200; buttons, 205, 298; butter, cheese, and condensed milk 396; fruits and vegetables, 400, 401, 402, 405, 408; fish, 416, 417, 418, 420; oysters, 422, 423, 425; rice, cleaning and polishing, 433, 438, 441; beet sugar, 445, 446, 447, 454; slaughtering and meat packing, 459, 460, 461, 463, 464, 472, 484; slaughtering, wholesale, not including meat packing, 480; manufactured ice, 495, 500, 504, 508; salt, 515, 516, 522; cottonseed products, 540; tohacco, 553, 554, 556, 557, 560, 561, 564, 576; lumber and timber products, 583, 586, 590, 592, 595, 600, 613, 614, 626; 583, 586, 590, 592, 595, 600, 613, 614, 626; turpentine and rosin, 649, 650, 651, 656; paper and wood pulp, 661, 664, 686; printing and publishing, 702, 713, 720, 753, 760, 766, 770, 800, 812; pens and pencils, 827; pens, 828, 829, 830, 831, 832; pencils, lead, 832, 834; glass, 837, 840, 844, 848, 860, 866; clay products, 877, 878; brick and tile, 898; pottery, terra cotta, and fire clay prod-898; pottery, terra cotta, and fire clay products, 888, 910

Walnut, quantity and value sawed, by states, 609.

Washington, growth of silk industry, 180. See also States and territories.

Waste, used in manufacture of cotton goods, 53, 54; cotton small wares, 58; silk, 164. Wearing apparel, value of exports, 24.

Weavers, number in cotton mills, 30; in silk mills, 177.

Weaving mills, number and capacity of, engaged in cotton manufacture, by states,

West Indies, imports from, of wool, 101; of rice and rice products, 437; exports to, of rice and rice products, 436; ice, 501; cottonseed and its products, 547; unmanufactured woods, 622; turpentine, 654; rosin,

West Virginia, growth of silk industry, 180.

See also States and territories.

Wheat flour, classification of mills according to annual production of, 349; number of mills manufacturing, by size, for given states, 349; merchant mills in order of their rank as producers, 351; roller process used in manufacture, 353; quantity and value imported and exported, 353.

Whelchel, Jasper E., section on Lumber and timber products by, 583.
Whey, quantity and value produced, 313.

White pine, average value per thousand feet, White pine, average value per thousand feet, 598; quantity and value sawed, by states, 606; shingle production, 611; quantity standing, 641; location, 642.

Wilmington, N. C., exports of turpentine and rosin, 653.

Wilson tariff, imports of lumber and timber

products affected by, 623. Winslow, Samuel, first patent in United

States granted to, 531.
Wisconsin, growth of silk industry, 180;
butter, cheese, and condensed milk industry, 309, 310; beet sugar, 447, 453. See also States and territories.

Women. See Wage-earners.

Wood pulp and fiber, production of, by states, 680; made to sell, by kind and value, 681, 682; made for own use, by states, 682; equipment and capacity of mills, 682; imports and exports, 683; detailed summary of power in mills, 683.

Woods, unmanufactured, exports of, countries receiving, 622; by value, 6 imports of, 623; location of hard, 643.

Wool, pounds consumed, by decades, 7; by industries, 8; difficulty of obtaining statistics concerning, 12; estimated amount retained for consumption in certain countries. tries, 12; used in hosiery and knit goods industry, quantity and cost, 65, 69, 82; imported for carpet industry, quantity and cost, 86; used in wool manufactures, 95, 96; domestic production, imports and exports, and net supply, 96; consumption of, in various industries, 96; total and per capita consumption, 97; imports of, 99, 100; sources of foreign supply, 101; imports entered for consumption, by class, quantity, and value, 103; value of prod-

wool, hats. See Hats, wool.
Wool manufactures, comparative summary of industry, 4, 87, 120, 128; capital invested in, 5, 89; employees and wages, 6,

7, 89; value of products, 9, 103, 104; relation of cost of materials to value of products, 9; value of domestic products, exports and imports, 10; raw cotton used, 32, 98; progress of industry, 85, 86; scope of Census inquiry, 86; power used in, 90; machinery employed, 91; materials used, 95; imports of, 97; scoured wool consumed, 97; shoddy, 99; chemicals and dyestuffs used, 99, 196; silk yarn used, 166.

99, 196; silk yarn used, 100.
Wool pulling, comparative summary for industry, 118; detailed summary, 157.
Wool scouring, per cent shrinkage, 97; comparative summary for industry, 118; detailed summary, 156.
Woolen goods, raw fibers, and yarns constructed 8. number of governments are

sumed, 8; number of square yards produced, 9; rank of leading states, according to value manufactured, 87; spindles distributed as to kind, 94; looms making, 94; materials used, by kind, quantity, and cost, 95; average cost of scoured wood control of the state of t sumed, 98; yarns purchased, distributed by kind, 99; woven fabrics distinguished as, 106; summary of industry, 112, 128, 138; added value through dyeing and finishing,

Worsted goods, raw fibers and yarns consumed, 8; cotton spindles in establish-

ments manufacturing, 40; condition of industry, 85, 86; rank of leading states according to value manufactured, 87; concording to value manufactured, 87; concentration of industry, 93; looms making, 94; spindles, distributed as to kind, 94; materials used, 95; cost of scoured wool consumed, 98; yarns purchased, 99; woven fabrics distinguished as, 107; summary of industry, 111, 128, 136.

Woven goods, number of square yards produced, 9; quantity and value manufactured in cotton mills, 34, 35; in worsted mills, 106.

mills, 106.

Wrapping paper, production of, by kind, quantity, and value, 670.
Wyoming. See States and territories.

Yarns, amount consumed, by kinds, 8; imports of, 22; other than cotton, 34; cotton, 38, 54; in manufacture of cotton goods, 52; cotton small wares, 55, 58; in hosiery and knit goods, 65, 66, 69, 82, 166; in wool manufactures, 95, 99, 104, 105; in silk industry, 164, 167. See also Cotton yarns. Yellow pine. average value per thousand

Yellow pine, average value per thousand feet, 598; quantity and value sawed, 606, shingle production, 611; quantity of standing, 641; location, 648.